

## NEW SPECIES OF SHELLS FROM NEW HEBRIDES.

BY W. D. HARTMAN, M. D.

*Charis bicolor*, Nobis. Pl. V, fig. 1, 1 a.

Shell ovate, rather thin, translucent, smooth, lines of growth fine; whorls  $4\frac{1}{2}$ , strongly convex, the last ovate and much inflated; spire short conoid, of a red saffron color; body-whorl a soiled white, with traces of a brown epidermis; aperture ovate, direct; labium reflected and thickened; a heavy deposit on the columella with a broad fold over the umbilicus, but not concealing it; labium a dull silvery white or red for one-fourth of an inch within the aperture, which is white.

Alt. 31 to 41, diam. 19; aperture, alt. 20, breadth 11 mill.

*Habitat*, Aura Island, N. Hebrides.

E. L. Layard, Esqr.

*Obs.* This species is near *C. ochrostomus* Garrett. All examples received thus far are weatherbeaten.

*Charis Rossiteri*, Nobis. Pl. V, fig. 2, 2 a.

Shell acutely ovate, thin and translucent; whorls  $4\frac{1}{2}$ , convex, the last elongate-ovate; apical whorls acute, the first  $2\frac{1}{2}$  of a reddish, saffron color; epidermis brown fugacious, with darker striations; body-whorl white beneath the epidermis; aperture ovate, direct, white; labium thin and reflected, with a slight deposit on the columella and a broad fold over the compressed umbilicus, but not concealing it.

Alt. 38, diam. 16; aperture, alt. 20, breadth 9 mill.

*Habitat*, Aura Island, N. Hebrides.

E. L. Layard, Esqr.

*Obs.* A smaller species than the preceding.

*Oxychona Layardi*, Nobis. Pl. V, fig. 3.

Shell acutely conical, imperforate; whorls 7, the four apical whorls slightly rounded, translucent and a pale reddish color; lower whorls flat, the last acutely carinate at the periphery; labium simple and slightly reflected, with an acute notch at the outer margin; aperture subquadrate, of a pale color; color white, with flecks and zigzagged lines of gray; two black thread-like lines with a brown one between on the basal carina, extending to the third whorl, and visible within the aperture; color of the base a dusky

white, with numerous radii of a darker color, extending from the closed umbilicus to the periphery.

Alt. 16, diam. 16; aperture, alt. 4, breadth 7 mill.

*Habitat*, Aura Island, N. Hebrides.

*Obs.* I have much pleasure in dedicating this beautiful and unique species to H. B. M. Consul, E. L. Layard, Esqr., of Noumea, N. Caledonia, to whom conchologists are indebted, for many new species from various sections of the world.

**Melania Auroriana**, Nobis. Pl. V, fig. 4.

Shell thick, very elongate, ovate conic, decollate; whorls 10 or more, smooth and slightly convex; body whorl somewhat inflated; a few sparse revolving striae at the base, often continued to the apex; color dark olivaceous, lighter at the apex; aperture white, ovate, round at base and expanded, a heavy white deposit on the pillar lip. Opercle black, thick, with the polar point very near the base.

Alt. 56, diam. 14; aperture, alt. 18, breadth  $9\frac{1}{2}$  mill.

*Habitat*, Aurora Island, N. Hebrides.

From E. L. Layard, Esqr.

**Melania Schmacheri**, Nobis. Pl. V, fig. 5.

Shell attenuately conical, rather thick, color dark greenish, lighter at the suture, decollate; whorls probably 8 or 9, all but the two lower with elevated longitudinal ribs, which are decussated by impressed spiral striae, giving the surface a granulated appearance; the two lower whorls have the incised spiral striae continued from the base with the interspaces smooth; outer lip sharp and sinuous; columella with a narrow white deposit and a moderately twisted aperture, oval, white; opercle sub-triangular, corneous, chestnut brown, with the polar point near the base.

H. 43, W. 15, apt. 17, W. apt. 15 mill.

*Hab.* Hamma Island, near Hong-Kong, China.

This shell was sent me for *M. crenularis* Desh. by Mr. Schmacher. It is a smaller shell than *crenularis* which is from the Philippines, but resembles it somewhat in sculpture.

**Diplomorpha Brazieri**, Nobis. Pl. V, fig. 6.

Shell dexal, thin, abbreviately ovate; whorls 4, rounded; body whorl inflated, more than half the length; suture well impressed; umbilicus open; aperture perpendicular, ovate; lip slightly reflected; apex and aperture reddish orange; surface with coarse longitudinal

striae; epidermis absent, H. 19, W. 12, apt. 14, D. apt. 9 mill., Hab. Aura Island, E. L. Layard, Esqr.

*Obs.* Certainly distinct from *D. de Latouvi* from the same Island. All examples received are destitute of epidermis.

**Trochomorpha convexa**, Nobis. Pl. V. fig. 7.

Shell sub-lenticular, thin, very convex above; whorls six, convex above and beneath, acutely carinate, finely and transversely striate; base smooth; umbilicus perspective one-sixth the diameter of the shell; aperture oblique; peritreme simple; color reddish brown with a narrow darker line on the carina; H. 7, D.  $12\frac{1}{2}$ , H. apt.  $2\frac{1}{2}$ , D. apt. 6 mill. Hab. Aura Island, New Hebrides, E. L. Layard.

*Obs.* A more stout, convex shell, with more whorls than *T. rubens* from the same Island.

**Helicina Bourailensis**, Nobis. Pl. V. fig. 8.

Shell thin and translucent, depressly conoid; base convex; spire subacute; whorls 5, striate with fine oblique lines of growth, which are decussated by strong-spiral striae; suture linear, impressed; basal callus white, thin, and minutely foveate; aperture sub-ovate, very oblique; peritreme angulated at its junction with the short columella; outer lip slightly thickened; suborbicular; color a pale yellow or reddish; color of the aperture partaking of the color of the shell.

Height 3, diam 5 mill.

Hab. Bourail Island, N. Caledonia. E. L. Layard, Esqr.

**Helicina Nehouensis**, Nobis. Pl. V. fig. 9.

Shell thin, polished, depressly conoid, convex beneath; spire subacute; whorls 5; lines of growth fine, decussated above and beneath by very fine interrupted spiral striae, in V-shaped fasciculi; suture linear, impressed; aperture sub-oval, very oblique, of a reddish color; lip white, thin and slightly reflected; peritreme angulated with the short columella; color pale reddish brown, darker beneath; callous thin, silvery white and corrugated. Height  $2\frac{1}{2}$  to 4, wide, 4 to 6 mill.

Hab. Nehoue, New Caledonia.

E. L. Layard, Esqr.

**Helicina Saxoniana**, Nobis. Pl. V, fig. 10.

Shell thin, depressed conoid, convex beneath; whorls 4, rounded above; suture impressed; lines of growth regular, parallel and very fine, which are decussated by interrupted spiral striae; spire subacute; aperture sub-triangular, oblique, pale reddish; lip thin, white

and foveate; callous thin, white; peristome angulated at its junction with the short columella; color reddish brown. Opercle sub-triangular, reddish

Height 3, wide 5, mill.

Hab. West Coast, N. Caledonia.

*Obs.* Mr. Saxon, per E. L. Layard, Esqr.

Another example marked No. 1, *Chalcei*, N. Caledonia, is probably the same species.